

INTERMOT DUAL DISPLACEMENT MOTORS

IAC SERIES

H1 MODEL

IAC 195/S
195/BH

IAC 250/S
250/BH

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MOTOR TECHNICAL DATA

IAC 195 H1

	195	175	150	125	100	95	75	69
Displacement [cc/Rev]	195	175	150	125	100	95	75	69
Specific theoretical torque [Nm/bar]	3.1	2.8	2.4	2	1.6	1.5	1.2	1.1
Continuous maximum speed [rpm]	750	750	750	775	775	775	800	850
Minimum speed [rpm]	3	3	3	4	4	4	5	5
Mechanical efficiency [%]	89.5	89.2	89	88.5	88	87.8	87	85.5
Starting mechanical efficiency [%]	84.5	84.2	85	84.5	84	83	81	78
Continuous maximum power [kW]	36	34	32	30	28	28	26	24
Intermittent maximum power [kW]	45	42.5	40	37.5	35	35	32.5	30
Continuous maximum pressure [bar]	250	250	250	250	250	250	250	250
Intermittent maximum pressure [bar]	275	275	275	275	275	275	275	275
Peak pressure [bar]	350	350	350	350	350	350	350	350
Recommended flushing flow [l/min]	8	8	8	8	8	8	8	8

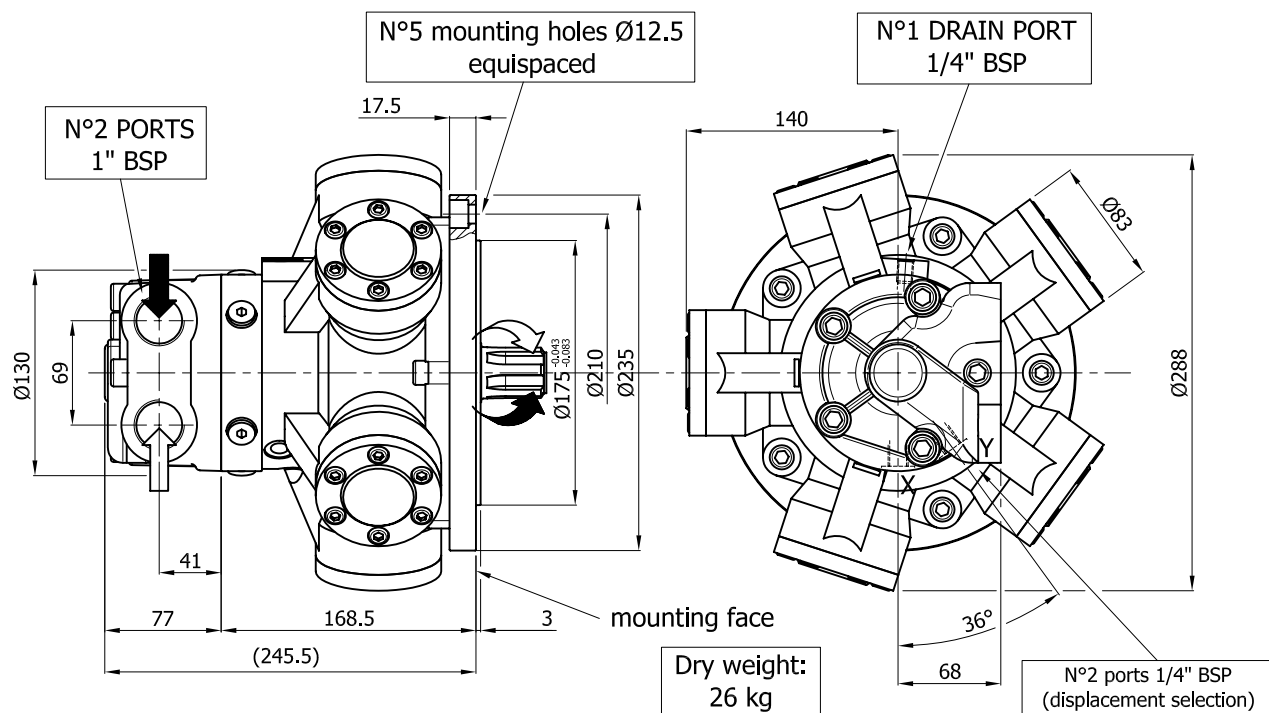
IAC 250 H1

	257	232	195	175	150	125	100	95
Displacement [cc/Rev]	257	232	195	175	150	125	100	95
Specific theoretical torque [Nm/bar]	4.1	3.7	3.1	2.8	2.4	2	1.6	1.5
Continuous maximum speed [rpm]	700	700	750	750	750	775	775	775
Minimum speed [rpm]	3	3	3	3	3	4	4	5
Mechanical efficiency [%]	88.5	88.2	88	87.5	87	86.8	86	84.5
Starting mechanical efficiency [%]	83.5	83.2	84	83.5	83	82	80	77
Continuous maximum power [kW]	38	37	36	34	32	30	28	28
Intermittent maximum power [kW]	47.5	46	45	42.5	40	37.5	35	35
Continuous maximum pressure [bar]	250	250	250	250	250	250	250	250
Intermittent maximum pressure [bar]	275	275	275	275	275	275	275	275
Peak pressure [bar]	350	350	350	350	350	350	350	350
Recommended flushing flow [l/min]	10	10	10	10	10	10	10	10

INTERCHANGEABLE WITH GM1

SIZE

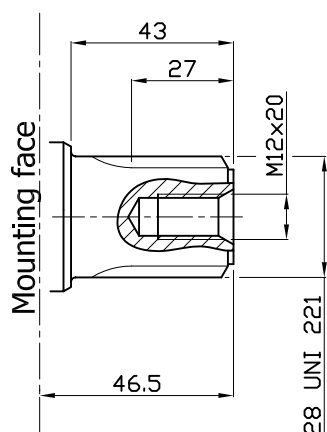
IAC 195/S-250/S H1 D40



SHAFT

IAC 195/S-250/S H1 D40

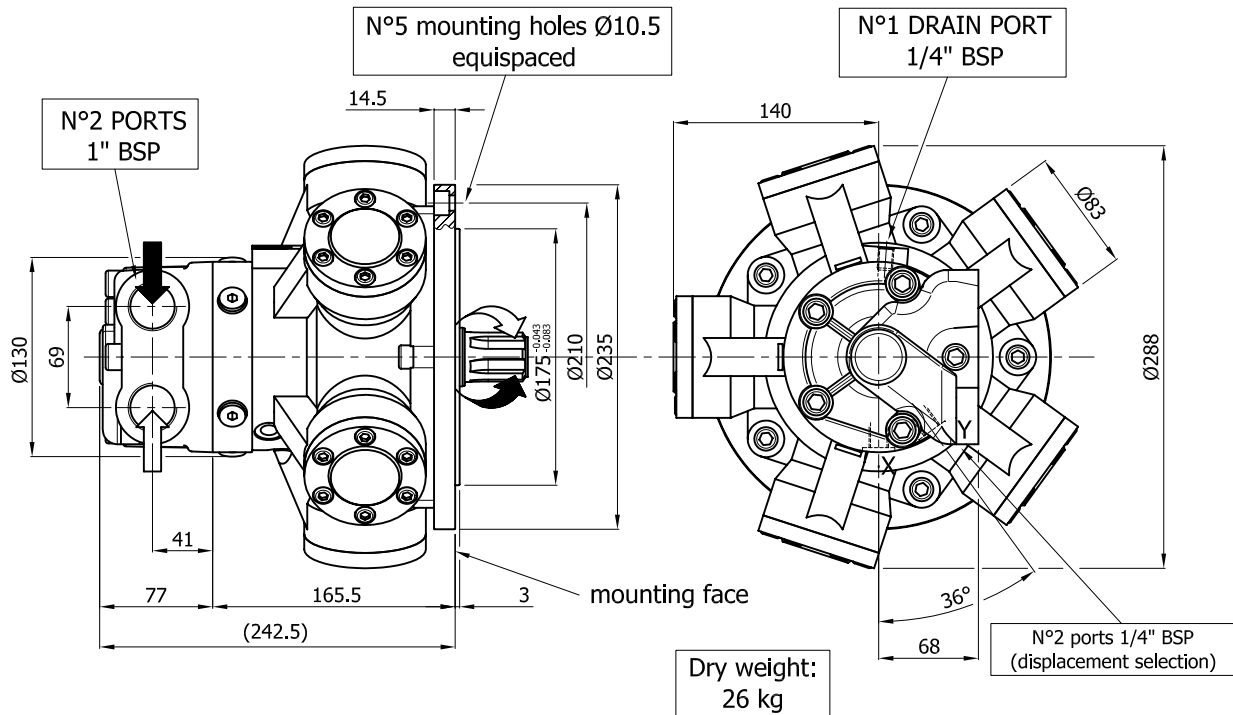
A0: Standard splined shaft



INTERCHANGEABLE WITH BH

SIZE

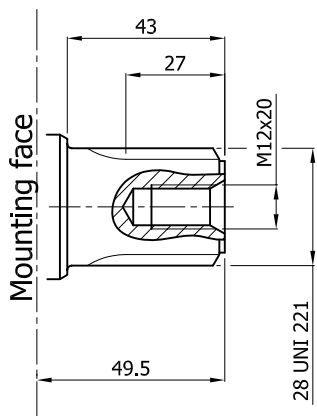
IAC 195/BH-250/BH D40 H1



SHAFT

IAC 195/BH-250/BH D40 H1

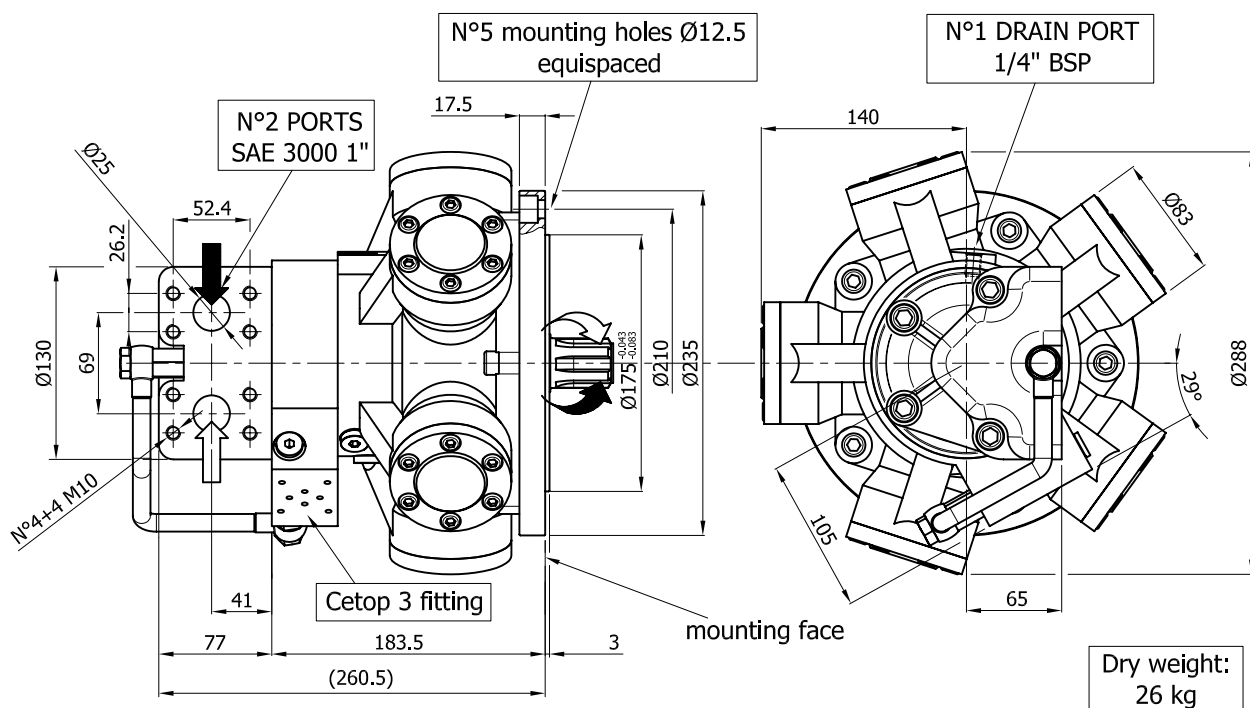
A0: Standard splined shaft



INTERCHANGEABLE WITH GM1

SIZE

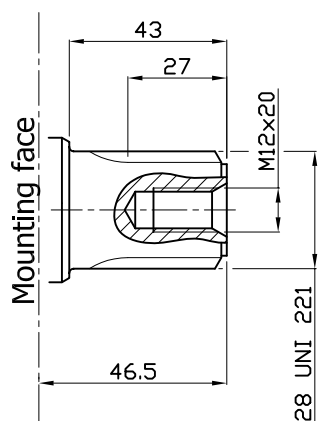
IAC 195/S-250/S H1 D47 C3 SV



SHAFT

IAC 195/S-250/S H1 D47 C3 SV

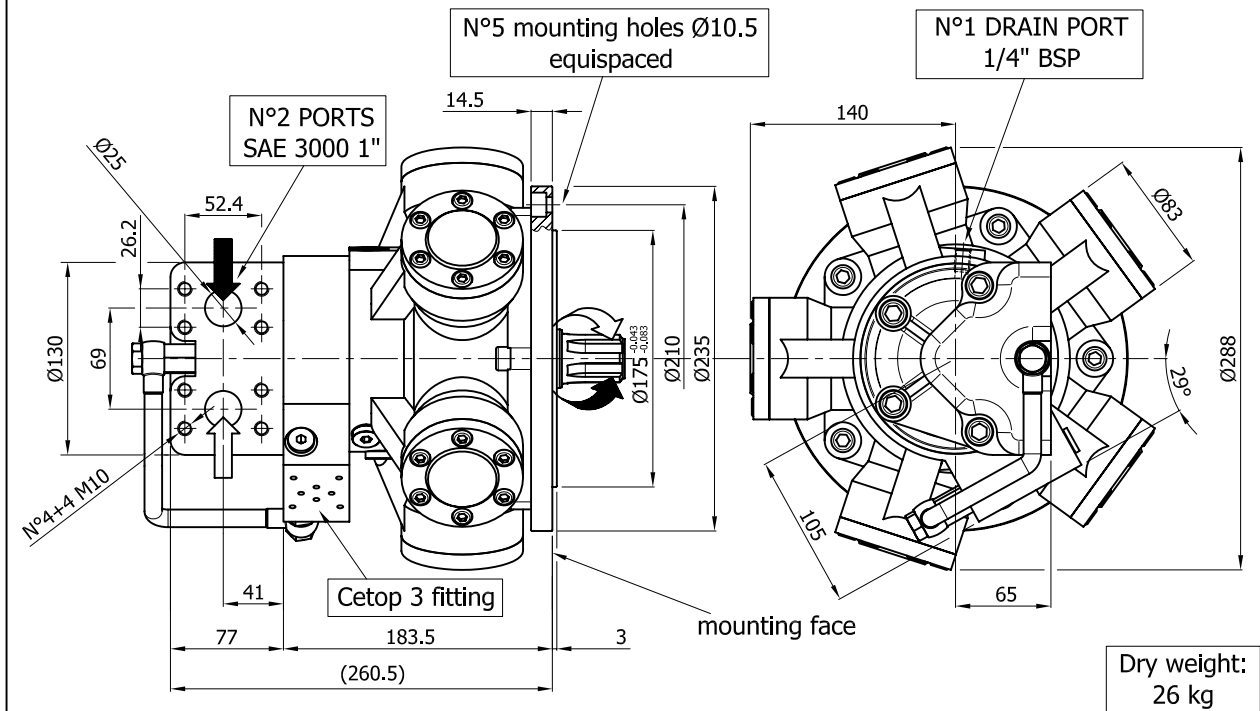
A0: Standard splined shaft



INTERCHANGEABLE WITH BH

SIZE

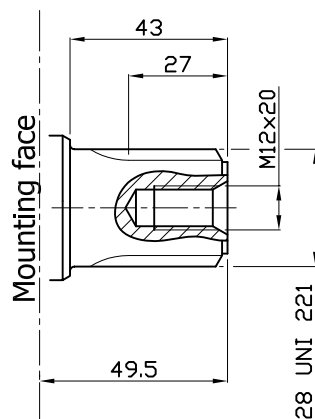
IAC 195/BH-250/BH H1 D47 C3 SV



SHAFT

IAC 195/BH-250/BH H1 D47 C3 SV

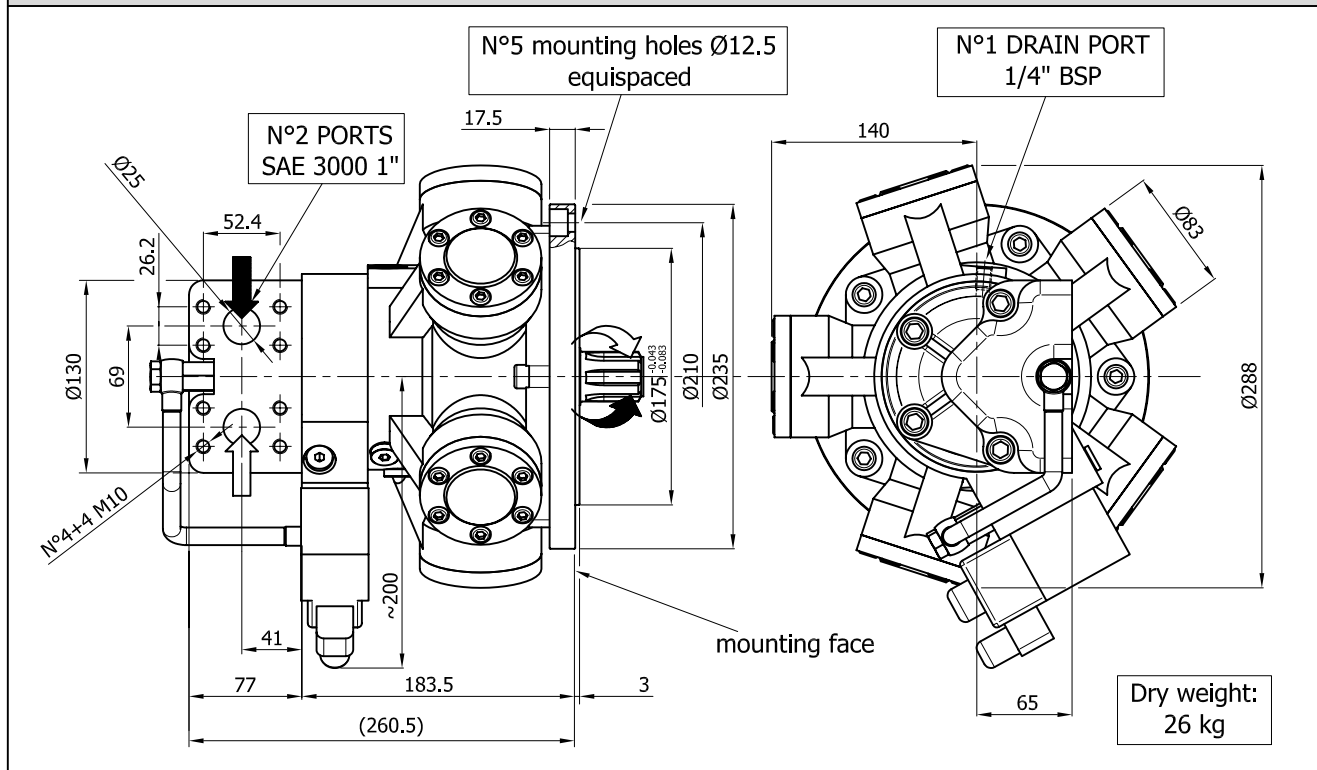
A0: Standard splined shaft



INTERCHANGEABLE WITH GM1

SIZE

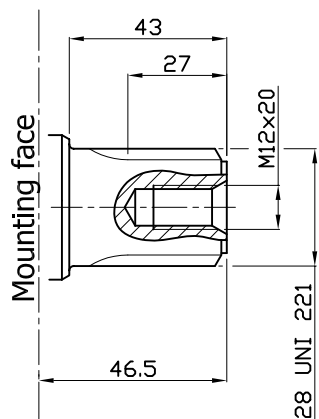
IAC 195/S-250/S H1 D47 C3-24 SV



SHAFT

IAC 195/S-250/S H1 D47 C3-24 SV

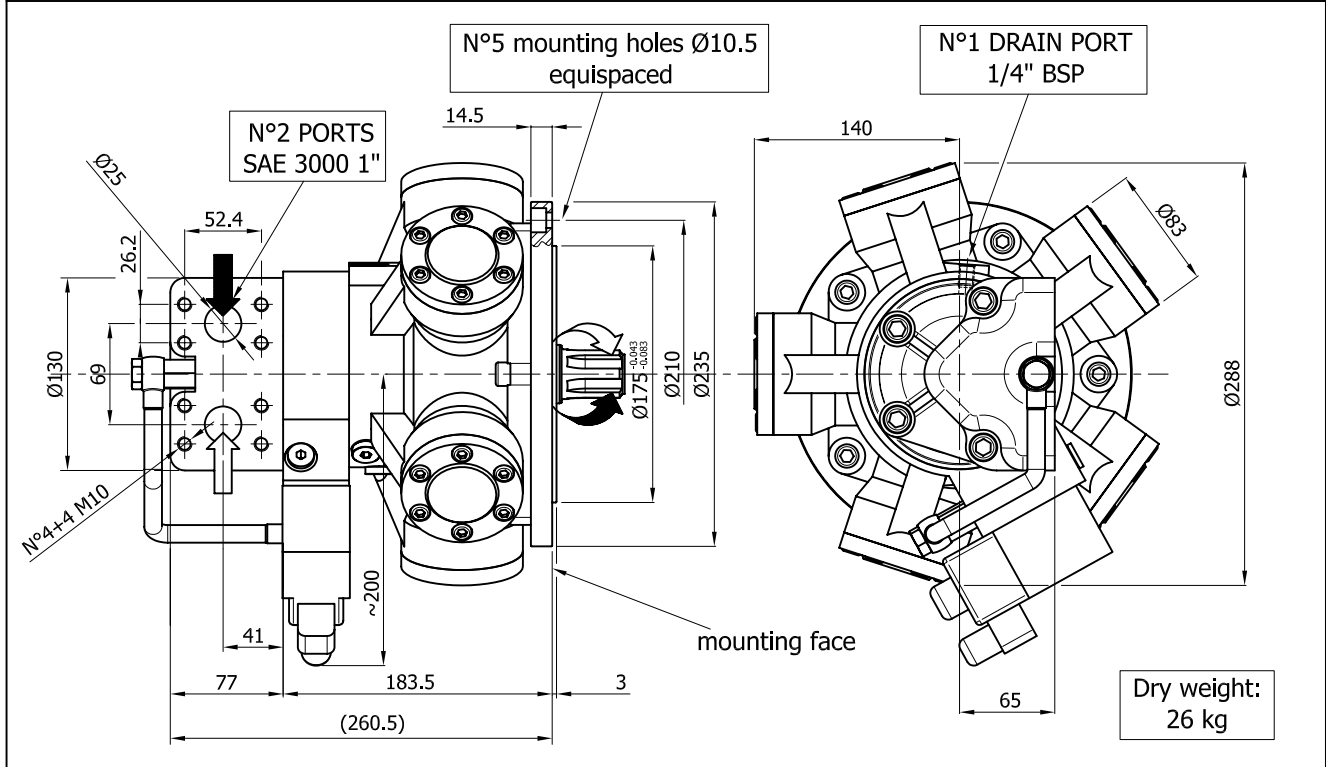
A0: Standard splined shaft



INTERCHANGEABLE WITH BH

SIZE

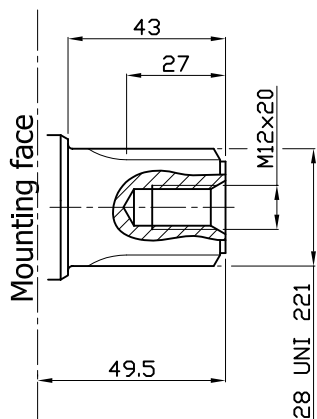
IAC 195/BH-250/BH H1 D47 C3-24 SV



SHAFT

IAC 195/BH-250/BH H1 D47 C3-24 SV

A0: Standard splined shaft



ORDERING INSTRUCTIONS

IAC H1

	IAC --	/-	H1	A -	D --	---	---	SV	SB -	---	---	---
Motor model	IAC 195											
	IAC 250											
Motor interchangeability	/BH											
	/S											
Housing	H1											
Shaft	A0											
	standard splined shaft											
Distributor	D40											
	(1" BSP)											
	D47											
	(SAE 3000 1")											
Tachometer (optional)	TA											
	TB											
	EST											
	EST.30											
	J											
	TACHOMETER PREDISPOSITION											
Cetop 3 fitting (optional, available only with D47)	C3											
	(Cetop 3 fitting)											
	C3-12											
	(Cetop 3 fitting, with 12V DC valve included)											
	C3-24											
	(Cetop 3 fitting, with 24V DC valve included)											
Shuttle valve (optional)	SV											
	(available only with D47 distributor)											
Spline billet (optional)	SB14											
Valves (optional)	RVDA											
	OVSA											
	(see valve section for details and complete ordination code)											
	OVDA											
	ORVSA											
	RVDAP											
Special features (optional)	01											
	(Viton seals)											
	02											
	(Oxynit treatment on the external motor surface)											
	03											
	(Nitemper treatment on cylinder bores)											
Displacements	MAX-MIN											
	(MAXIMUM AND MINIMUM DISPLACEMENT OF MOTOR)											

IAC 250 H1	Max displacement range: 257-150 cc/Rev
	Min displacement range: 132-95 cc/Rev
IAC 195 H1	Max displacement range: 195-75 cc/Rev
	Min displacement range: 100-69 cc/Rev

Different displacements on request

EXAMPLE: IAC.195/S.H1.A0.D47.C3-24.01.257-95
 IAC.250/S.H1.A0.D40.TA.175-69
 IAC.250/BH.H1.A0.D47.C3.03.150-75